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ESTUARINE AND COASTAL WATER DYNAMICS CONTROLLING SEDIMENT
MOVEMENT AND PLUME DEVELOPMENT IN LONG ISLAND SOUND

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Figure 2A. Technical Report Standard Title Page. This page provides the data elements required by DoD Form DD-1473, HEW Form OE-6000 (ERIC), and similar forms.

- a. Title: Estuarine and Coastal Water Dynamics Controlling Sediment Movement and Plume Development in Long Island Sound

ERTS-A Proposal No. SR 342 E

- b. GSFC ID No. of P.I. IN 395

c. Problems Impeding Progress: The period July 1, 1972 to December 31, 1972 was an extremely rainy period, with the resultant less than anticipated number of good ERTS data. During July and August, some difficulty was experienced with the operation of tidal gaging equipment.

d. Accomplishments: During the period July 1, 1972 to December 31, 1972 tidal interchange of the Connecticut Estuary and freshwater inflow data into Long Island Sound was routinely computed from nine hydrologic field data collection stations. In addition a temperature and salinity study conducted in July-August 1972 and covering the entire Long Island Sound area was received from the National Marine Fisheries Service and is being reviewed in light of the July 28, 1972 and Oct. 27, 1972 ERTS imagery. The July 28 and Oct. 27 imagery have been sent to Stanford Research Institute for preliminary processing as part of ERTS-A proposal 342-B "Study of Time-Lapse Data Processing for Dynamic Hydrologic Conditions." It is planned to review the processing and to work with the SRI equipment during the week of Jan. 15-19, 1973

- e. Nothing to report. 5 F

f. None

g. None

h. None

i. None to report

j. None